

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

1. **(Previously Presented)** A scanner comprising:
 - a cold cathode fluorescent lamp (CCFL) for generating light;
 - a heating light source for generating light;
 - a timer for counting out a predetermined time period;
 - a photosensor for detecting light generated by the CCFL and the heating light source; and
 - a controller for controlling operations of the scanner;wherein the heating light source generates an amount of heat effective to shorten a warm-up time period of the CCFL, and when the timer determines that a time period starting from the CCFL being enabled reaches the predetermined time period, the controller turns off the heating light source and performs scanning of a document using the CCFL.

2. **(Previously Presented)** The scanner of claim 1 wherein the predetermined time period is 15 to 30 seconds.

3. **(Previously Presented)** The scanner of claim 1 wherein the scanner is a flat bed scanner, a paper fed scanner, a copier, a Fax machine, or a multi-function product (MFP).

4. **(Previously Presented)** A scanner comprising:
 - a cold cathode fluorescent lamp (CCFL) for generating light;
 - a heating light source for generating light;
 - a timer for counting out a predetermined time period;
 - a photosensor for detecting light generated by the CCFL and the heating light source; and
 - a controller for controlling operations of the scanner;

wherein the heating light source is capable of generating more heat than the CCFL, a warm-up time period of the CCFL is longer than a warm-up time period of the heating light source, and when the timer determines that a time period starting from the CCFL being enabled reaches the predetermined time period, the controller turns off the heating light source and performs scanning of a document using the CCFL; and

wherein the heating light source is a metal halide lamp.

5. **(Previously Presented)** The scanner of claim 1 wherein the CCFL and the heating light source are installed within a scanning module of the scanner.

6. **(Previously Presented)** The scanner of claim 1 wherein when the heating light source is enabled, the controller performs scanning of the document using the heating light source.

7. **(Previously Presented)** A scanner
comprising:

 a cold cathode fluorescent lamp (CCFL) for generating light;
 a heating light source for generating light;
 a photosensor for detecting light generated by both the CCFL and the heating light source;
 a timer for counting out a predetermined time period;
 a controller for controlling operations of the scanner; and
 a start button connected to the controller, wherein when the start button is triggered, the controller does not enable the CCFL so that only the heating light source is used to scan the document;

 wherein the heating light source is capable of generating more heat than the CCFL, a warm-up time period of the CCFL is longer than a warm-up time period of the heating light source, and when the timer determines that a time period starting from the CCFL being enabled reaches the predetermined time period, the controller turns off the heating light source and performs scanning of a document using the CCFL.

8. **(Previously Presented)** The scanner of claim 7 further comprising a control button connected to the controller, and when the control button is pressed, the controller turns on the CCFL and the heating light source simultaneously, and utilizes the CCFL and the heating light source to scan the document to shorten a scanning time period.

9. **(Canceled)**

10. **(Previously Presented)** The scanner of claim 7 wherein the heating light source is a metal halide lamp.

11. **(Previously Presented)** The scanner of claim 7 wherein the photosensor is a charge coupled device (CCD).

12. **(Currently Amended)** A scanner comprising:
a lamp for generating light;
a heating light source for generating light;
a timer for counting out a predetermined time period; and
a controller for controlling operations of the scanner;
wherein the heating light source generates an amount of heat effective to shorten a warm-up time period of the [[CCFL]]lamp from between 45 and 90 seconds to between 15 and 30 seconds, and when the timer determines that a time period starting from the lamp being enabled reaches the predetermined time period, the controller turns off the heating light source.

13. **(Previously Presented)** The scanner of claim 12, wherein the lamp is a fluorescent lamp.

14. **(Previously Presented)** The scanner of claim 13, wherein the lamp is a cold cathode fluorescent lamp (CCFL).

15. **(Previously Presented)** The scanner of claim 12, further comprising a photosensor for detecting light generated by the lamp and the heating light source.

16. **(Previously Presented)** The scanner of claim 1, wherein the scanner is incorporated into a flat bed scanner, a paper fed scanner, a copier, a Fax machine, or a multi-function product (MFP).

17. **(Currently Amended)** A method for illuminating comprising:
powering a lamp and a heating light source, a warm-up time period of the lamp being longer than a warm-up time period of the heating light source, the heating light source generating an amount of heat effective to shorten a warm-up time period of the [[CCFL]]lamp from between 45 and 90 seconds to between 15 and 30 seconds;
starting a timer upon powering of the lamp and the heating light source; and
upon expiration of a set time period, ceasing to power the heating light source.

18. **(Previously Presented)** The method of claim 17, further comprising receiving light from the lamp and heating light source at a photodetector following reflection from an object.

19. **(Previously Presented)** The method of claim 17, further comprising scanning a document with the lamp and heating light source and receiving light from the lamp and heating light source by way of the document.

20. **(Previously Presented)** The method of claim 17, wherein the lamp is a fluorescent lamp.

21. **(Previously Presented)** The method of claim 20, wherein the lamp is a cold cathode fluorescent lamp.

22. **(Previously Presented)** The method of claim 17, further comprising scanning a document.

23. **(Currently Amended)** A method for making an illuminating device comprising:

providing a lamp;

providing a heating light source having a warm-up time period considerably less than that of the lamp, the heating light source being configured to generate an amount of heat effective to shorten a warm-up time period of the lamp;

providing a timer; and

coupling a controller to the lamp, heating[[,]] light source, and timer, the controller configured to power the lamp and heating light source, to start [[a]]the timer upon powering of the lamp and heating light source, and to turn off the heating light source upon expiration of a predetermined time period.

24. **(Previously Presented)** The method of claim 23, further comprising positioning a photodetector in relation to the lamp and heating light source to receive light from the lamp and heating light source by way of a document.

25. **(Previously Presented)** The method of claim 24, wherein the lamp is a fluorescent lamp.

26. **(Previously Presented)** The method of claim 24, wherein the lamp is a cold cathode fluorescent lamp.

27. **(Currently Amended)** A scanner comprising:
a first means for illuminating;
a second means for illuminating having a warm-up period less than that of the first means for illuminating and generating an amount of heat effective to shorten a warm-up time period of the ~~lamp~~first means for illuminating from between 45 and 90 seconds to between 15 and 30 seconds; and

a means for powering the first and second means for illuminating for a time period and then turning off the second means for illuminating following expiration of the time period.

28. **(Previously Presented)** The scanner of claim 27, further comprising a means for detecting positioned to detect light from the first and second means for illuminating.

29. **(Previously Presented)** The scanner of claim 27, wherein the first means for illuminating is a cold cathode fluorescent lamp.

30. **(Previously Presented)** The scanner of claim 27, wherein the scanner is incorporated into at least one of a flat bed scanner, a paper fed scanner, a copier, a Fax machine, and a multi-function product (MFP).